| Index | of | Cla | im |
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|-------|----|-----|----|



Application No.

10/722,764

Examiner

Suzanne Dino Barrett

Applicant(s)

THOMAS, JERRY L.

Art Unit

3676

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N Interference

Appeal Α

o Objected

|                   |                            |          | 1        |  |  |              | J                                      |                | ш               | -              |  |  |
|-------------------|----------------------------|----------|----------|--|--|--------------|--|----------------|-----------------|----------------|--|--|
| CI                | aim                        | Ι -      |          |  | Date   |              |  |                |                 |                |  |  |
| Final             | Original                   | 4174     |          |  |  | Ī            | Ī                                      |                |                 |                |  |  |
|                   | 1                          | =        | H        | †  | +-   | +            | +                                      | +              | +-              | +-             |  |  |
| 2                 | 1 2                        |          | -        | T  | t  | ╁            | +                                      | +              | +               | ╁╌             |  |  |
|                   | 13                         | 1        | Г        | ╅  | T  | 1            | $\top$                                 | T              | +               | +              |  |  |
|                   | 4                          | <u> </u> |          | T  | 1  | T            | 1                                      | †              | +               | $\vdash$       |  |  |
|                   | 1<br>2<br>3<br>4<br>5      |          | Τ        | T  | 1  | T            | $\top$                                 | <b>†</b>       | T               | 1              |  |  |
|                   | 6                          | Ī        |          | 1  |  |              |  | 1              | 1               | $\vdash$       |  |  |
|                   | 7                          |          |          |  |  |              |  |                |                 |                |  |  |
|                   | 8                          | <u> </u> | _        | $\perp$  | $\perp$  | 丄            |  |                |                 |                |  |  |
|                   | 9                          | <u>L</u> |          | ↓_   | ┶  | $\perp$      |  | <u> </u>       | <u>L</u> .      |                |  |  |
|                   | 10                         |          |          | 1  | <u>↓</u>   | ┸            | 1_                                     | ┸              | <u> </u>        |                |  |  |
|                   | 11                         | _        | _        | ┡  | $\perp$  | ↓_           | 1_                                     | ↓_             | ↓_              | _              |  |  |
|                   | 12                         |          |          | ┼  | $\perp$  | ┼            | ╀                                      | ↓_             | +               | ऻ_             |  |  |
|                   | 13                         |          | _        | ╀  | ┼  | ╁            | ╀                                      | ₩              | +               | _              |  |  |
| -                 | 12<br>13<br>14<br>15<br>16 |          |          | ╀  | ╀  | ╀            | ╀                                      | -              | ╀               | <u> </u>       |  |  |
|                   | 16                         | Н        | _        | <del>i -</del>                                   | +-   | ╁            | ╁                                      | ╁              | ╁╌              | -              |  |  |
|                   | 17                         | H        | _        | 1  | ╁╌   | ╁            | ╁                                      | -              | <u> </u>        | ├              |  |  |
|                   | 18                         | Н        | _        |  | ╁  | +            | +                                      | ╁              | ╁               | ├─             |  |  |
| -                 | 18<br>19<br>20             | H        |          | t  | $\vdash$   | ┢            | <del> </del>                           | +              | ╁               | ┢              |  |  |
|                   | 20                         | П        |          |  | <del>                                     </del> | +-           | †                                      | $\vdash$       | $\vdash$        |                |  |  |
|                   | 21                         | П        |          | <del>                                     </del> | 1  | T            | T                                      | 1-             | t               | <del>  -</del> |  |  |
|                   | 21<br>22                   |          |          | <b> </b>   | T  |              | 1                                      | T              | T               |                |  |  |
|                   | 23                         |          |          |  |  |              | T                                      | Τ              |                 |                |  |  |
|                   | 23<br>24<br>25<br>26       |          |          |  |  |              |  | L              |                 |                |  |  |
|                   | 25                         | Ш        |          | L  | <u> </u>   | L            |  |                |                 |                |  |  |
|                   | 26                         |          |          | ļ.,  |  | L            | <u> </u>                               | <u> </u>       | L.              |                |  |  |
|                   | 27                         |          |          | <u> </u>   | <u> </u>   | ļ            | ــــــــــــــــــــــــــــــــــــــ | _              |                 | Ш              |  |  |
|                   | 28<br>29                   | $\vdash$ |          | _  | <b> </b>   | ├-           | <u> </u>                               | <u> </u>       |                 |                |  |  |
|                   | 29                         | $\vdash$ |          | <u> </u>   | -  | -            |  | ┢              | ├_              | Н              |  |  |
|                   | 30<br>31                   | $\dashv$ |          | ⊢  | ┼  | ┝            | <del> </del>                           | ├              | ┼               | Н              |  |  |
|                   | 32                         | $\vdash$ | _        | ┝  | $\vdash$   | ╁            | ├                                      | $\vdash$       | -               | Н              |  |  |
|                   | 33                         | -        |          | -  | $\vdash$   | ┝            | $\vdash$                               | <del> </del> - | ┝               | Н              |  |  |
|                   | 34                         |          |          |  | ╁  | $\vdash$     | ╁─                                     | <del> </del>   | ┢               | $\vdash$       |  |  |
|                   | 35                         |          |          | $\vdash$   |  |              | <u> </u>                               |                |                 |                |  |  |
|                   | 36                         |          |          |  |  |              | T                                      |                |                 |                |  |  |
|                   | 37                         |          |          |  |  |              |  |                |                 |                |  |  |
|                   | 38                         |          |          |  |  |              |  |                |                 |                |  |  |
|                   | 39                         | _        |          |  |  |              |  |                |                 |                |  |  |
|                   | 40                         | _        |          |  | _  | <u> </u>     |  | _              | Щ               | Ш              |  |  |
| $\longrightarrow$ | 41                         | _        | _        |  |  |              | ഥ                                      |                | Ш               | $\Box$         |  |  |
|                   | 42                         |          | -        |  | L  | $\vdash$     | <u> </u>                               | <u> </u>       | Щ               | _              |  |  |
|                   | 43                         | $\dashv$ | _        |  | L  | <del> </del> | <u> </u>                               | $\vdash$       | $\vdash$        |                |  |  |
|                   | 44<br>45                   | -        | -        | _  | _  | ļ            | $\vdash$                               | <u> </u>       | $\vdash \vdash$ | $\dashv$       |  |  |
|                   | 46                         | -+       | $\dashv$ | _  | _  | <u> </u>     | -                                      | <u> </u>       | $\vdash$        | -              |  |  |
| -+                | 47                         | $\dashv$ | $\dashv$ |  | -  | -            | ⊢                                      | H              | $\vdash \dashv$ | $\dashv$       |  |  |
| - +               | 48                         | $\dashv$ | $\dashv$ |  | <u> </u>   |              | <u> </u>                               | H              | $\vdash$        | $\dashv$       |  |  |
| $\dashv$          | 49                         | $\dashv$ | $\dashv$ |  | -  |              | -                                      | Н              | $\vdash$        | $\dashv$       |  |  |
|                   | 50                         | $\dashv$ |          | -  |  |              | -                                      |                | $\vdash$        | 一              |  |  |

| Cla       | aim      | Г             |    |           |          | Da       | te       |              |   |  | ו ר        | Cla      | aim      | Г  |              |              | _        | Dat        | _         |  |          |               |
|-----------|----------|---------------|----|-----------|----------|----------|----------|--------------|---|--|------------|----------|----------|--|--------------|--------------|----------|------------|-----------|--|----------|---------------|
|           | 1        | II            | Г  | Т         | $\top$   | Ť        | Ť        | Т            | 1   | Т  | - 1        | 010      |          | 1  |              | Т            | т-       | T          | Ť         | T  | т-       | $\overline{}$ |
| בום       | Original | 号             |    |           |          |          |          |              |   |  |            | Final    | Original |  |              |              |          |            |           |  |          | İ             |
| Ξ         | δí       | 64            |    |           |          | ĺ        |          |              |   |  |            | 正        | o<br>jio |  |              |              |          |            |           | İ  |          | ľ             |
| <u> </u>  | 1        | =             |    | 1         | $\top$   | $\top$   | T        | T            | T   | †  | 1          |          | 51       |  |              |              | -        | ╁          | T         | ╁  | ╁        | <del> </del>  |
| レ         | 2        | =             | F  | Т         | Т        | Τ        |          |              | Т   | Т  | 1          |          | 52       |  |              |              |          |            |           | T  | 1        |               |
|           | 2        |               |    | 1         | T        | 1        | $\top$   | T            | +-  | $\top$   | 1          |          | 53       | Н  |              | $\vdash$     | $\vdash$ |            | +         | $\dagger$  | $\vdash$ | ╁╴            |
|           | 4        |               | T  | T         | 1        | ✝        | †-       | t            | +   | +  | 1 1        |          | 54       |  |              | <del> </del> | ┼        | +          | ╁╌        | ╁  | ╁        | ╁             |
|           | 5        |               | ╁  | $\dagger$ | ┿        | +        | +        | ╁╌           | +   | +-   | 1 1        |          | 54<br>55 | $\vdash$   | _            | -            | ├        | ┿          | ╁╌        | +  | ⊢        | ╁             |
|           | 6        | H             | ┢┈ | ╁         | ╁        | ╁╌       | ╁        | ╁            | ╅─  | +  | ┨╴╏        |          | 56       | ╌┤   |              |              | $\vdash$ | ╁          | ╁         |  | ╀        | -             |
|           | 6<br>7   |               | -  | +         | +        | +-       | ╁┈       | +-           | ╁   | ╀  | ┨          |          | 57       | 1-1  |              | <u> </u>     | ├        | ⊢          | ╀         | ┼  | ₩        | ┼             |
|           | 8        |               | -  | t         | +        | +        | +-       | ╁            | ╁   | +-   | -          |          | 5/       |  |              | <u> </u>     | -        | ┢          | ┾-        | ╁  | ₩        | ₩             |
| _         | 9        |               | -  | ┿         | ╀        | +        | +        | ┼-           | ╀   | -  | ┨╶┞        |          | 58       | -  |              |              | <u> </u> | ⊢          | <b>├</b>  | ┼  | ▙        | ⊢             |
|           | 10       | <u> </u>      |    | -         | ╁        | ╀        | +-       | ┢            | ┾┈  | 1  | 1          |          | 59       |  |              | <u> </u>     | <u> </u> | <b> </b> _ | <b>!</b>  | <u> </u>   | ⊢        | ┞             |
| _         | 11       |               | _  | ⊢         | +        | +        | ╀        | ⊢            | -   | ┼  | 1 1        |          | 60       | <del>                                     </del> |              |              | _        | ╙          | ┡         | ╄  | <u> </u> | _             |
|           | 11       | -             |    | ⊢         | ╀        | +-       | ┼        | ┼            | ╁   | ₽-   | ┦ ┞        |          | 61       | $\vdash \vdash$                                  |              |              | <u> </u> | ┞.         | ┞_        | ــــ   | _        | -             |
|           | 12       |               | _  | ┼         | ╀        | ┼        | ╄        | ↓_           | ╄   | ╄  | 1          |          | 62       | $\sqcup$   |              |              | _        | ㄴ          | <u> </u>  | L  | _        | <u> </u>      |
| _         | 13       |               | _  | ╄         | ↓        | -        | ╄        | ₩            | ╀   | ╄  | . I        |          | 63       | Ш  |              |              | L_       |            |           |  | <u> </u> | L             |
|           | 14       | Щ             |    | ╄         | ╄        | 1        | ╄        | <u> </u>     | <u> L</u>   | <u> </u>   | 1 1        |          | 64       |  |              |              | Ŀ        |            | L         |  | L        |               |
|           | 15       |               | _  |           | ↓_       | ↓_       | ↓_       | <u> </u>     | $oldsymbol{ol}}}}}}}}}}}}}}}}}$ | _  | 1          |          | 65       | Ш  |              |              |          |            | L         | L  | L        |               |
|           | 16       |               |    | _         | <u> </u> | ↓_       | $\perp$  |              |   | L  | 1 1        |          | 66       |  |              |              |          |            |           |  |          |               |
|           | 17       |               |    | L.        |          |          |          |              |   | L  | IJ         |          | 67       |  |              |              |          |            |           |  |          |               |
|           | 18       |               |    |           |          |          | <u> </u> |              | L   |  | ] [        |          | 68       |  |              |              |          |            |           |  |          |               |
|           | 19       |               |    | <u> </u>  | L        | _        | L.       |              | L   |  |            |          | 69       |  |              |              |          |            |           |  |          |               |
|           | 20       |               |    | <u> </u>  |          | L        |          |              |   |  |            |          | 70       |  |              |              |          |            |           |  |          |               |
|           | 21       |               |    |           |          |          |          |              |   |  | ] [        |          | 71       |  |              |              |          |            |           | Г  |          | _             |
|           | 22<br>23 |               |    | [         |          |          |          |              |   | Г  | 1 [        |          | 72       |  |              |              |          |            |           |  |          |               |
|           | 23       |               |    |           |          |          | Π        | Г            |   |  | 1 [        |          | 73       |  |              |              |          |            |           |  |          | <u> </u>      |
|           | 24       | Ī             |    |           |          | T        | Γ        |              | T   |  | 1          |          | 74       |  | $\neg$       |              |          |            |           | _  | _        |               |
|           | 25       |               |    |           | T        |          |          |              |   |  | 1 f        |          | 75       | $\neg$   |              |              |          |            |           |  |          |               |
|           | 26       |               |    |           | $\Box$   |          |          |              |   |  | 1 1        | 1        | 76       |  |              |              |          |            |           | <del>                                     </del> | $\vdash$ | $\vdash$      |
| T         | 27       |               |    |           | Ì        | T        | T        |              | †   | İΤ   | it         |          | 77.      | $\neg$   | $\dashv$     |              |          | -          | _         | $\vdash$   | <u> </u> | -             |
|           | 28       |               |    |           |          | -        |          | П            | <u> </u>  |  | 1          |          | 78       | _  |              |              |          | -          | $\vdash$  | ╁╌   | Γ-       |               |
| $\exists$ | 29       |               | _  |           | <b>†</b> |          | $\vdash$ | ┢            | <del> </del>  |  | 1 1        |          | 79       |  | -            | -            |          | ┝╌         | ├─        | -  |          |               |
| 7         | 30       | $\neg$        |    |           | T        | T        |          | $\vdash$     | <del>                                     </del>  |  | 1          |          | 80       | -  | -            |              | -        | $\vdash$   | $\vdash$  |  | $\vdash$ |               |
|           | 31       | ヿ             |    | $\vdash$  | <u> </u> | ┢        | T        | -            | T   | Т  | 1          |          | 81       | -+   | _            |              |          |            | $\vdash$  | -  | Ι        | $\vdash$      |
| 寸         | 32       | _             | _  |           | Т        | t        | 1-       |              |   | ┢  | 1 1        |          | 82       | $\dashv$   | $\dashv$     |              | _        |            | <u></u> - | -  |          | -             |
| ┪         | 33       |               |    | <u> </u>  | Н        | ┪        |          |              |   | <del>                                     </del> | 1 1        | _        | 83       | $\neg \dagger$                                   | -            |              | _        |            | _         | $\vdash$   | $\vdash$ | <u> </u>      |
| T         | 34       | $\neg$        | _  |           |          |          | $\vdash$ |              | <del>                                     </del>  | $\vdash$   | !          |          | 84       | -+   | $\dashv$     |              |          | <u> </u>   |           |  |          | -             |
| 7         | 35       | T             | _  | ┢         | H        | t        |          | <del> </del> |   | _  | 1          |          | 85       | +  | $\dashv$     |              |          | -          | -         |  | $\vdash$ | -             |
| 7         | 36       | T             |    | -         |          | ┪        |          | <u> </u>     | 1   | <del> </del>                                     | 1 H        | $\dashv$ | 86       | -  | -            | $\dashv$     | -        |            | _         | -  | H        | Н             |
| T         | 37       | 寸             | -  | t         |          | H        | _        |              | _   | ┢╌   |            |          | 87       | $\dashv$   | $\dashv$     | $\dashv$     | $\dashv$ |            | _         |  |          | $\dashv$      |
| +         | 38       | _             |    | ┢         | -        |          |          | -            |   | -  | H          | -+       | 88       | -+   | $\dashv$     |              |          | _          |           | _  | $\vdash$ | $\dashv$      |
| $\dashv$  | 39       | 十             |    | ┝         | <u> </u> | _        | ├        |              | $\vdash$  |  | F          |          | 89       | $\dashv$   | $\dashv$     | -            | $\dashv$ |            |           | _  | $\vdash$ | $\dashv$      |
| +         | 40       | $\dashv$      | _  | -         | -        | -        | ┢        | —            | ⊢   |  | H          |          | 90       | -+   | +            | -            | _        | _          |           | _  |          |               |
| ┪         | 41       | +             | -  | -         | $\vdash$ |          |          |              | ├   |  | <b> </b> - | $\dashv$ |          |  | +            | $\dashv$     | -        | _          |           | _  |          |               |
| ╅         | 42       | $\dashv$      | -  |           | $\vdash$ |          |          | _            | _   |  | -          | $\dashv$ | 91<br>92 |  | $\dashv$     |              | -        |            | _         |  | _        |               |
| +         | 43       | $\rightarrow$ |    | -         | -        | $\vdash$ | _        |              |   |  | `          |          | 92       | -+   | $\dashv$     |              | $\dashv$ | _          |           |  | _        |               |
| +         | 44       | $\dashv$      | _  | <u> </u>  | -        | -        |          |              |   |  | ⊢          |          | 93       | _  | 4            |              | $\dashv$ | -          |           | _  | $\dashv$ | _             |
| $\dashv$  | 44 45    | +             | -  | <u> </u>  | -        |          | $\vdash$ |              |   |  | -          | -  .     | 94       | -+   | 4            | 4            |          |            | _         | $\Box$   | _        |               |
| +         |          |               | _  |           | _        | <u> </u> | -        |              |   | _  |            |          | 95       | $\perp$  | $\downarrow$ | $\dashv$     | _        | _          | _         |  |          | _             |
| +         | 46<br>47 | $\dashv$      | -  |           | _        |          |          |              | <b>-</b>  |  | -          |          | 96       |  | 4            | $\dashv$     | _        |            |           | _  | _        | _             |
| $\dashv$  |          | +             | -  |           | Ь        | Ш        | <u> </u> |              |   |  | '  -       |          | 97       | _  | 4            |              |          |            | $\Box$    |  |          |               |
| +         | 48       | +             | _  |           | _        | Щ        |          | _            |   |  | L          |          | 98       | $\bot$   | $\downarrow$ | 4            | [        |            |           |  | $\Box$   |               |
| +         | 49       | +             | _  | -         | _        |          | $\sqcup$ | _            | Щ   | _  | L          |          | 99       | 4  | 4            |              |          |            |           |  |          |               |
|           | 50       |               |    |           | لب       |          |          |              |   |  | L          |          | 100      | ᆚ  | $\perp$      |              | l        | اـــا      |           |  |          |               |
|           |          |               |    |           |          |          |          |              |   |  |            |          |          |  |              |              |          |            |           |  |          |               |

| CI      | aim   | Т     |           |          |              | Dat             | e  |           |          |          |
|---------|---|-------|-----------|----------|--------------|-----------------|--|-----------|----------|----------|
|         | 1   | 1     |           | Т        | Τ            | Ī               | Ť  | Γ         | Г        | Т        |
| <u></u> | Original  | 1     |           |          |              |                 | 1  | i         |          |          |
| Final   | <u>.</u> E  | 1     |           |          |              |                 |  |           |          |          |
|         | 0   |       |           |          |              |                 | ŀ  |           |          |          |
| -       | 101   | 1     | $\dagger$ | T        | $^{\dagger}$ | T               | 1  | +         | +        | 1        |
|         | 101<br>102  | 1     | †         | 1        | t            | T               | +  | T         | +        | T        |
|         | 103   |       | +         | †        | ╁            | ╁               | $\top$   | +         | +        | $\vdash$ |
|         | 103<br>104<br>105   | Т     | †         |          | T            |                 | 1  | †         | T        |          |
|         | 105   | Ι-    | ✝         | T        | $\top$       | $\top$          | t  | $\dagger$ | †        | I        |
|         | 106   | t     | †         | T        | 1            | t               | <del>                                     </del> | $\dagger$ | +-       | T        |
|         | 106<br>107  |       | T         | T        | 1            | 1               | $\top$   | T         | t        | T        |
|         | 108<br>109  | Г     | T         | T        | Ī            |                 | ऻ  | T         |          | 1        |
|         | 109   | Г     | Т         | T        |              |                 | 1  | 1         | Т        |          |
|         | 110   |       | Г         |          |              |                 |  | 1         | _        |          |
|         | 111<br>112  |       | Ī         | T        | Τ            | T               |  | 1         |          | $\Box$   |
|         | 112   | · · · | Τ         |          |              | 1               |  | 1         | T        | $\vdash$ |
|         | 113   |       |           |          |              | Т               | Π  | T         |          | П        |
|         | 114   |       | Ι.        |          | П            |                 |  |           | 1        |          |
|         | 114<br>115<br>116<br>117<br>118   |       | П         | Т        |              | T               |  |           |          |          |
|         | 116   |       | Τ         |          |              |                 | Π  | T         |          |          |
|         | 117   |       | T         | 1        |              | T               | T  | T-        |          | $\Box$   |
|         | 118   |       | Π         |          | Π            | 1               | 1  |           |          | $\vdash$ |
|         | 119   |       | Г         | T        | Г            |                 |  | Т         |          | П        |
|         | 119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129 |       |           |          |              | T               | l  |           |          | П        |
|         | 121   |       |           | Π        |              |                 |  | 1         | Г        |          |
|         | 122   |       |           |          |              |                 |  |           |          |          |
|         | 123   |       | T         | ļ        |              |                 |  | Γ         |          |          |
|         | 124   |       |           |          |              |                 | Г  | T         |          |          |
|         | 125   |       |           | Γ        |              |                 |  |           |          |          |
|         | 126   |       |           | Г        |              |                 |  |           |          |          |
|         | 127   |       |           |          |              |                 |  |           |          |          |
|         | 128   |       |           |          |              |                 |  |           |          |          |
|         | 129   |       |           |          |              |                 |  |           |          | П        |
|         | 130   |       |           |          |              |                 |  |           |          |          |
|         | 131   |       |           |          |              | L.              |  |           |          |          |
|         | 132   |       |           |          |              |                 |  |           |          |          |
|         | 130<br>131<br>132<br>133  |       | L.        | L        |              |                 |  |           |          |          |
|         | 134   |       | _         |          |              | L.              |  | <u> </u>  |          |          |
|         | 135   |       |           | _        |              |                 | _  | L         |          | Ш        |
|         | 135<br>136<br>137   |       | _         | _        | _            |                 |  | L         | <u> </u> | Ш        |
|         | 137   |       | <u> </u>  | _        | ļ            |                 |  | _         |          |          |
|         | 138<br>139  |       | _         | _        |              | L               |  | L_        | L.       | Ш        |
|         | 139   |       | ļ         |          | _            | L               |  |           | ļ        |          |
|         | 140   |       | <u> </u>  | <u> </u> | L            | Ш               |  | <u> </u>  | Ш        | Щ        |
|         | 141   | _     | _         | $\vdash$ | <u> </u>     |                 |  | <u> </u>  | Щ        | Ш        |
|         | 142   |       |           | <u> </u> | Щ            | Ь               |  | <u> </u>  | Ш        |          |
|         | 143   |       |           | $\vdash$ |              | $\square$       |  | <u> </u>  |          | _        |
|         | 144   | -     | Щ.        | Щ        |              | $\vdash \vdash$ | _  | <u> </u>  | Ш        | _        |
|         | 145   |       | L.,       | Щ        |              | $\square$       |  |           |          | $\dashv$ |
|         | 146   | _     |           | Ш        |              | $\Box$          |  |           | $\Box$   | _        |
|         | 147   | 4     |           |          |              |                 |  |           | -1       | _        |
|         | 148   | -     | -         |          | _            | -               | _  |           |          | $\dashv$ |
|         | 149   | 4     | _         | -        | _            |                 | _  |           | -        | _        |
|         | 150   |       |           |          |              |                 |  |           | $\Box$   |          |